

WHAT IS CLAIM IS

1. A method of developing an embryo that has increased transformation efficiency comprising crossing a Hi-II maize plant to a different plant to obtain an embryo; wherein said embryo has increased transformation efficiency when compared to a transformation efficiency of an embryo from said different plant and; wherein said transformation efficiency of the embryo and the transformation efficiency of the embryo of said different plant are measured using same experimental conditions.

2. The method of claim 1 wherein the Hi-II plant is a male parent.

3. The method of claim 1 wherein the Hi-II plant is a female parent.